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Amendments to the Specification

Please amend the paragraph starting on page 7, line 1, as follows:

B1

Since the collector junction in the phototransistor in principle operates like a photodiode, the bipolar transistor 12 can be separated from the photodiode for the purpose of forming a model, which is illustrated in the equivalent circuit diagram in Fig. 3. The emitter 124 of the bipolar transistor 12 is connected to the input 22 of the comparator unit 20, which input 22 is provided for the output voltage V_{out} , so that the output voltage V_{out} of the detector unit 10 decreases with an increasing wavelength and/or with an increasing intensity of the incident light. More specifically, an evaluation unit ~~13~~ 30 preceded by the comparator unit 20 generates the failure message when the value of the output voltage V_{out} of the detector unit 10 falls below the value of the reference voltage V_{ref} . The working point of the detector unit 10 and the value of the reference voltage V_{ref} are adjustable in this case, so that the use of the comparator unit 20 provides overall degrees of freedom of adjusting the switching threshold.